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(71) Applicant (for all designated States except US): DESIGN BLUE LTD [GB/GB]; Studio 205, Oxo Tower Wharf, Bargehouse Street, London SE1 9PH (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GREEN, Philip [GB/GB]; 7 Milestone Close, Stevenage, Hertfordshire SG2 9RR (GB). PALMER, Richard [GB/GB]; 18 Roughdown Road, Boxmoor, Hemel Hempstead, Hertfordshire HP3 9RR (GB).

(74) Agents: COLMER, Stephen, Gary et al.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL, United Kingdom (GB).

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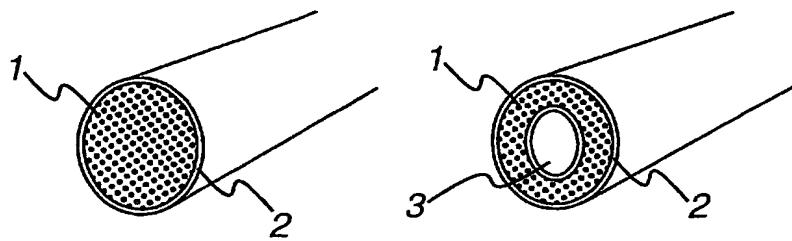
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(57) Abstract: A composite material which is elastic, which exhibits a resistive load under deformation which increases with the rate of deformation, which is unfoamed or foamed, comminuted or uncommminuted and which comprises i) a first polymer-based elastic material and ii) a second polymer-based material, different from i), which exhibits dilatancy in the absence of i) wherein ii) is entrapped in a solid matrix of i), the composite material being unfoamed or, when foamed, preparable by incorporating ii) with i) prior to foaming.